

17.—*New Species of S. African Tabanidae (Diptera).*—By GERTRUDE
RICARDO.

METOPONAPLOS, gen. nov.

? Supplementa Entomologica, 1914.

THIS genus and a species were included by me in a paper on species of Tabanidae sent me by Herr Schlenkling from the German Entomological Museum in Berlin. The proofs were sent to me for correction and returned, but the outbreak of war put an end to further communications. The remarks on this genus are copied and inserted as follows :

Formed for a species named by Walker *Pangonia parva*, with which *Pangonia directa* appears to be identical. It differs from the species of *Pangonia* in the antennae, which have only five divisions on the third joint ; it therefore belongs to the second division of *Pangoniinae*, comprising *Silvius*, *Chrysops*, etc. Ocelli and spines on hind tibiae are present. Antennae with the first two joints short, the third broad at base, the last four divisions very small. Face convex, furrowed in the middle. Palpi broad at base, ending in a long point. Proboscis about a third the length of the whole insect. Forehead shining with no calli. Wings clear, with the usual venuration ; all posterior cells widely open, the anal cell closed at border.

METOPONAPLOS PARVA (PANGONIA), Walker.

Metoponaplos parva (*Pangonia*), Walker, List Dipt., pt. i, p. 145.
1848. (*Pangonia directa*, Walker, Dipt. Saund., p. 21, 1850.)

Both the Walker types are from the Cape of Good Hope, in the Brit. Mus. Coll., and are females. There is also a female in the same collection from Saldanha Bay, Cape Colony, October, 1892 (Pelela Garde), 96, 2, two females from Namaqualand, 1917, and one female in the South African Museum.

Forehead broad, shining. *Antennae, palpi* and *legs* blackish. *Wings* grey, length 9–10 mm. *Face* black, convex, but furrowed in the middle, clothed sparsely with long yellowish hairs, cheeks

covered with grey tomentum and with yellow pubescence. *Palpi* black, broad at base, ending in a long tapering point, more than a third of the length of proboscis, which is about as long as the head and thorax combined. *Antennae* black, situated on a slight tubercle covered with ashy-grey tomentum; the first two joints with some long black hairs, the first joint cylindrical, the second small and round, half the length of the first joint; the third joint with five divisions, the first one broad and large, no tooth, but with rounded borders, the last divisions very small. *Forehead* almost parallel, wide, barely one and a half times longer than it is wide, black and shining, with grey tomentose borders and a few scattered white hairs; ocelligerous tubercle distinct. *Eyes* bare. *Thorax* black and shining, clothed with greyish-white pubescence and with longer hairs at sides. *Scutellum* black and shining, with yellowish hairs on its posterior border. *Abdomen* shining black, reddish yellow on sides of the first and second segments, the posterior borders from the second segment onwards clothed with fringes of white hairs on their posterior borders; sides with white hairs. *Legs* blackish, tibiae reddish yellow on basal two-thirds, pubescence pale yellowish on femora, elsewhere blackish. *Wings* grey, tinged yellow at base, veins reddish yellow.

A male in the Brit. Mus. Coll., from Saldanha Bay, 5: ix: 1912 (K. H. Barnard), 1913, is presumably the male of this species, but the *abdomen* is largely reddish yellow, the black colour appearing as a broad black stripe on the first three segments, the apex black, with short yellowish hairs on posterior borders of the segments, sides with long, black and yellow hairs; underside reddish yellow, black on the last three segments. *Legs* blackish with long black hairs on the femora and tibiae. *Wings* and veins darker in colouring. *Forehead* is less wide but slightly narrower at vertex, shining black. *Antennae* with longer and more numerous black hairs on the first two segments. *Palpi* with the first joint short, the second conical, clothed with long hairs. Length 9 mm.

METOPONAPLOS NIGRICANS, n. sp.

Type (female) from Hott-Holl Mts., 6000 ft., Caledon, Cape Colony (Barnard), 1916. From Cape Mus. Coll.

A small black species, with no markings on the abdomen. *Forehead* shining, broad. *Legs* blackish brown. *Wings* clear. Length 7 mm. *Face* blackish, with grey tomentum and white hairs. *Palpi* brownish with black hairs. *Antennae* reddish brown. *Forehead* black, shining, with no lighter borders, not quite parallel, and about one and a half times longer than its anterior width. *Thorax* and *scutellum* black.

Abdomen black with very narrow lighter posterior borders. *Wings* with brown veins.

GEN. SILVIUS, Meig.

The two new species of *Silvius* described below were sent me for identification by Dr. L. Péringuey, Director of the South African Museum, Cape Town.

SILVIUS CALLOSUS, ♂, ♀, n. sp.

Type (male) from Durban, Natal (Bell Marley).

Type (female) from Kar-Kloof (Bell Marley), and another female from Durban, in Cape Museum Coll.

A robust species of dull brown colour with some obscure yellow markings, distinguished by the lineal frontal callus. Length 12 mm. male, 12-15 mm. female.

Male.—*Face* dull brown with some grey tomentum. Palpi brown with black hairs. *Antennae* light reddish-yellow, the first two joints brown with black hairs. *Eyes* bare, the upper facets larger than the lower ones. *Thorax* brownish, with no distinct stripes; pubescence on dorsum scanty, light in colour. *Scutellum* same colour. *Abdomen* with rather a mottled appearance, the yellowish colour predominating on the basal half, of an isabella colour; on the underside this colour extends over the whole abdomen; the segmentations above and below are very narrowly white-haired. *Legs* dull reddish brown. *Wings* clear, with yellow veins. This male is not in good condition.

Female has dusky brown rather large *palpi* as long as the proboscis with dark pubescence. *Antennae* as in male. *Forehead* about one-fourth in width of the length, not narrowed at either end; the callus is almost lineal, dark brown extending to the ocelli. *Thorax* mahogany brown with short white pubescence. *Scutellum* rather paler in colour. *Abdomen* raw umber, with paler markings, the segmentations with narrow fringes of short white hairs; underside much the same colour; the first segment on dorsum with a pale band on its posterior border.

SILVIUS HIRSUTUS, ♂, ♀, n. sp.

Type (male) from Matroosberg, Ceres Division, Cape, 3500 ft.

Type (female) and another male in Cape Museum Coll.

A dark blackish brown species with hairy eyes and thorax, and abdomen with hairs, rather near *Silvius decipiens*, Loew, but at once

distinguished in the female by the frontal callus, which does not reach the eyes. Length 13 mm. males, 12 mm. female.

Male.—*Face* with grey tomentum and thick yellow hairs. *Beard* same colour. *Palpi* dark brown with brown hairs. *Proboscis* long, nearly a third of the length of insect. *Antennae* dark brown, the first two joints with dark hairs. *Eyes* hairy, the upper facets only a little larger than the lower ones. *Thorax* black, rather shining, with two distinct narrow grey stripes, one on each side; dorsum with some scattered white hairs, sides with thick yellow hairs, a few brown ones intermixed. *Scutellum* black, with some white hairs. *Abdomen* blackish with three very distinct grey tomentose spots on each segment, except the first and the last one; pubescence on dorsum slight, consisting of some white and dark hairs; sides with thick yellow and brown hairs. The extreme side borders of segments are fulvous; underside black with grey tomentum; in the other male the grey spots are almost effaced. *Legs* dull reddish, the femora darker, the legs with rather thick black pubescence. *Wings* clear, with dark brown stigma and veins, the transverse veins clouded.

Female.—*Palpi* small, yellowish, with long black hairs, the hairs on face not so thick and brown in colour. *Forehead* very wide, narrower at vertex; the width in front is nearly equal to the length. *Frontal callus* is very large, blackish brown, shining, but it does not reach the eyes and does not extend much beyond the middle of forehead. The hairs at sides of *thorax* are largely brown. *Abdomen* with the spots not so distinct, appearing more yellow in colour with some yellow hairs, pubescence elsewhere blackish. *Legs* paler in colour, the femora the same as the tibiae in colour. The proboscis in female appears to be broken off; in the other male it does not appear long, being apparently retracted.

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